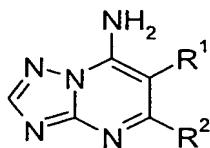


We claim:

1. A triazolopyrimidine of the formula I



5 in which the substituents are as defined below:

R^1 is C_5 - C_9 -alkyl, C_4 - C_{11} -alkoxymethylene or C_3 - C_{10} -alkoxyethylene, where the aliphatic groups may be substituted by 1 to 3 of the following groups:

10 cyano, nitro, hydroxyl, C_3 - C_6 -cycloalkyl, C_1 - C_6 -alkylthio, C_5 - C_{12} -alkynyl and NR^aR^b ;

R^a, R^b are hydrogen or C_1 - C_6 -alkyl;

15 R^2 is n-propyl or n-butyl.

2. The compound of the formula I according to claim 1 in which R^1 is an unsubstituted straight-chain or mono-, di- or tribranched alkyl chain having up to 9 carbon atoms.

20 3. The compound of the formula I according to claim 1 or 2 in which R^2 is n-propyl.

4. The compound of the formula I according to claim 1 or 2 in which R^2 is n-butyl.

25 5. 6-(1-Methylheptyl)-5-propyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine; 6-octyl-5-propyl[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine;

5-butyl-6-(1-methylheptyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine;

5-butyl-6-octyl[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine;

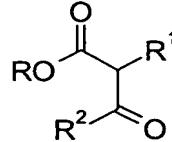
5-propyl-6-(3,5,5-trimethylhexyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine;

30 6-hexyl-5-propyl[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine;

6-heptyl-5-propyl[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine;

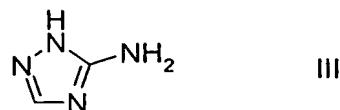
5-propyl-6-undecyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine.

35 6. A process for preparing compounds of the formula I according to any of claims 1 to 5, wherein β -ketoesters of the formula II,

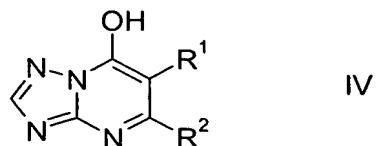


II

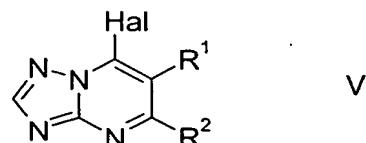
in which R is C₁-C₄-alkyl are reacted with 3-amino-1,2,4-triazole of the formula III



to give 7-hydroxytriazolopyrimidines of the formula IV

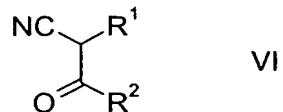


5 which are halogenated to give compounds of the formula V



in which Hal is chlorine or bromine and V is reacted with ammonia.

7. A process for preparing compounds of the formula I according to any of claims 1
10 to 5, wherein acylcyanides of the formula VI,



are reacted with 3-amino-1,2,4-triazole of the formula III as set forth in claim 6.

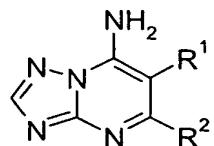
- 15 8. A fungicidal composition comprising a solid or liquid carrier and a compound of
the formula I according to any of claims 1 to 5.
9. Seed comprising a compound of the formula I according to any of claims 1 to 5 in
amounts of 1 to 1000 g per 100 kg.
- 20 10. A method for controlling phytopathogenic harmful fungi wherein the fungi or the
materials, plants, the soil or seed to be protected against fungal attack are
treated with an effective amount of a compound of the formula I according to any
of claims 1 to 5.

5,6-Dialkyl-7-aminotriazolopyrimidines, method for their production, their use for controlling pathogenic fungi, and agents containing said compound

Abstract

5

5,6-Dialkyl-7-aminotriazolopyrimidines of the formula I



in which the substituents are as defined below:

- 10 R¹ is alkyl, alkoxymethylene or alkoxyethylene, where the aliphatic groups may be substituted as defined in the description;
- R² is n-propyl or n-butyl;
- 15 processes for preparing these compounds, compositions comprising them and their use for controlling phytopathogenic harmful fungi.